

POLYPEPTIDE CARTILAGE-INDUCING FACTORS FOUND IN BONE

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POLYPEPTIDE CARTILAGE-INDUCING FACTORS FOUND IN BONE Two polypeptide factors that are found in bone and that have chondrogenic/osteogenic activity and TGFactivity are described. Each has a molecular weight of approximately 26,000 daltons by SDS-PAGE. Each reduces to a single polypeptide indicating that the factors are probably homodimers. One has an N-terminal sequence identical to that of human placenta-derived TGF-.beta., whereas the other has an N-terminal sequence that is different from that of TGF-.beta. derived from human placenta. The two factors are purified to homogeneity using RP-HPLC or acetic acid-urea gel electrophoresis.

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